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(21)Application number : 10-339880 (71)Applicant : KAO CORP
(22)Date of filing : 30.11.1998 (72)Inventor : SAKAI MITSURU
ISHIKAWA ATSUSHI
MORII MASAYOSHI

(54) PRODUCTION OF POLYURETHANE FOAM**(57)Abstract:**

PROBLEM TO BE SOLVED: To produce a polyurethane foam excellent in dimensional stability even at low temperatures by reacting a polyol component with an isocyanate component in the presence of a catalyst containing a compound having a tert- amino group and an NCO-reactive OH group and a compound having a prim- amino group and a prim-OH group, a blowing agent, and a foam stabilizer.

SOLUTION: Preferably, the compound having a tert-amino group and an NCO-reactive OH group is 6-dimethylamino-1-hexanol, and the compound having a prim-amino group and a prim-OH group is preferably a compound of the formula: A-(CH₂)_n-NH₂ and/or a compound selected from among 3- aminopropanol, 2-hydroxyethylaminopropylamine, 2-hydroxyethylaminoethylamine, and N-methyl-N-(2-hydroxyethyl)-1,3- propanediamine. In the formula, A is NR₁R₂ or OH; R₁ is H or 1-4C alkyl; R₂ is CH₂CH₂OH; and n is 2-6.

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